

CLAIMS

1. A backlight system, comprising:

a light source; and

a light guide plate having an incident surface for receiving light from the light source, a bottom surface, and a light emitting surface for emitting out the light, wherein the light emitting surface has a contour in a shape of a plurality of prisms disposed continuously on the light emitting surface.

2. The backlight system as claimed in claimed 1, wherein a plurality of diffusion dots are disposed on the bottom surface of the light guide plate.

3. The backlight system as claimed in claimed 1, wherein the prisms are each in a shape of a pyramid.

4. The backlight system as claimed in claimed 1, wherein the light source is disposed at one side of the incident surface of the light guide plate.

5. The backlight system as claimed in claimed 1, wherein the light guide plate is in a shape of a rectangle.

6. The backlight system as claimed in claimed 1, wherein the light guide plate is in a shape of a wedge.

7. The backlight system as claimed in claimed 2, wherein the diffusion dots are more densely distributed on the bottom surface as a distance away from the incident surface increases.

8. The backlight system as claimed in claimed 2, wherein the diffusion dots are distributed evenly all over the bottom surface.

9. A light guide plate, comprising:

an incident surface for receiving light, a bottom surface, and a light emitting

surface for emitting light, wherein the light emitting surface has a contour in a shape of a plurality of prisms disposed continuously on the light emitting surface.

10. The light guide plate as claimed in claimed 9, wherein a plurality of diffusion dots are disposed on the bottom surface.

11. The light guide plate as claimed in claimed 9, wherein the prisms are each in a shape of a pyramid.

12. The light guide plate as claimed in claim 9, wherein the light guide plate is in a shape of a rectangle

13. The light guide plate as claimed in claim 9, wherein the light guide plate is in a shape of a wedge.

14. The light guide plate as claimed in claim 10, wherein the diffusion dots are distributed more densely on the bottom surface as a distance away from the incident surface increases.

15. The light guide plate as claimed in claim 10, wherein the diffusion dots are distributed evenly all over the bottom surface.

16. A backlight system comprising:

- a light source;

- a light guide plate defining an incident surface facing the light source for receiving light from the light source;

- a light emitting surface for emitting out the light;

- a plurality of tapered prisms including respective vertex portions formed on the light emitting surface; and

- a plurality of diffusion dots disposed on a bottom surface opposite to said emitting surface.

17. The backlight system as claimed in claim 16, wherein said diffusion dots are more densely distributed on the bottom surface as a distance from the incident surface increases.
18. The backlight system as claimed in claim 17, wherein said prisms are evenly distributed all over the emitting surface.